

IgE Fc C ϵ 3-C ϵ 4
Closed form

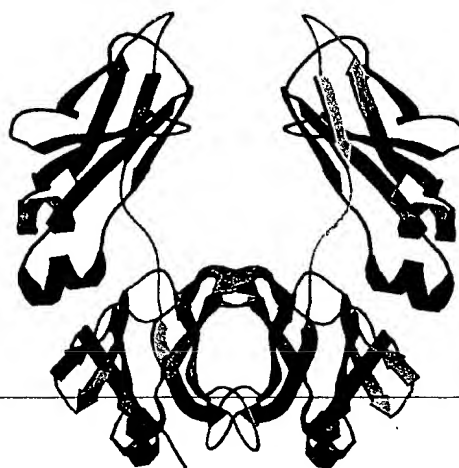


Fig. 1a

IgE Fc C ϵ 3-C ϵ 4
Open form

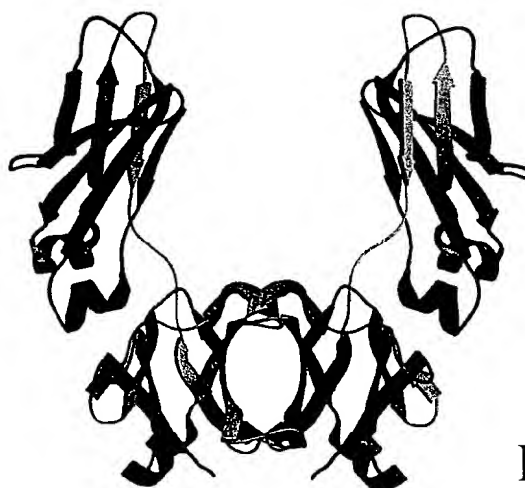


Fig. 1b

IgG Fc

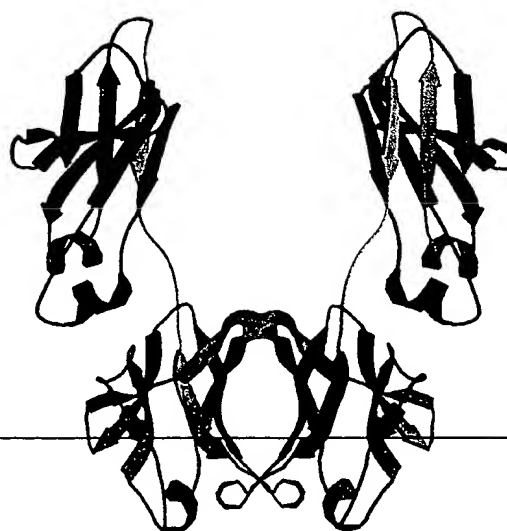
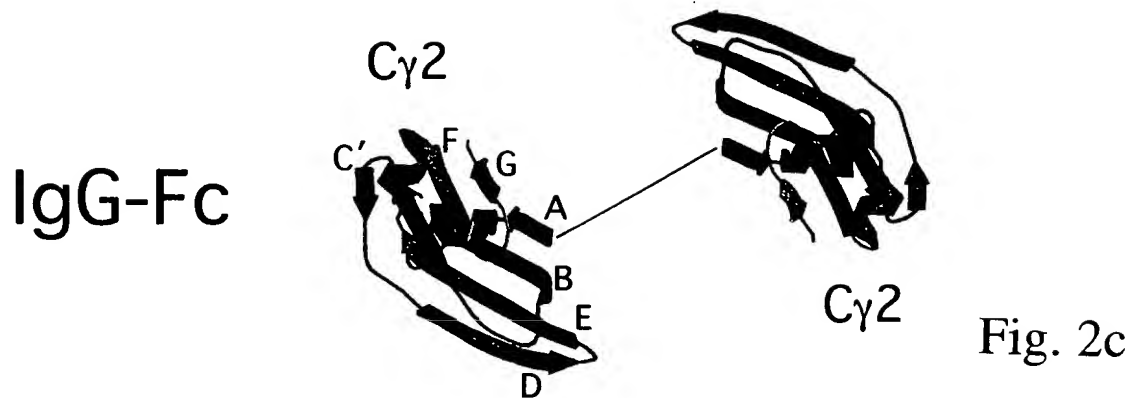
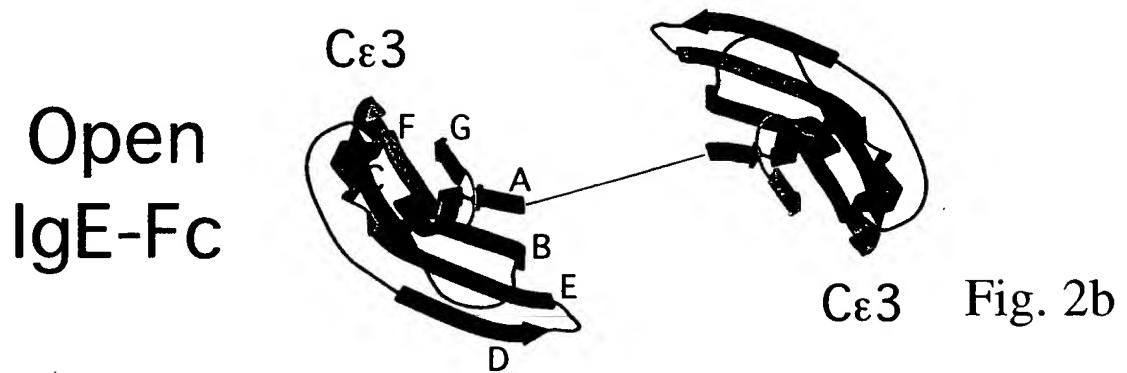
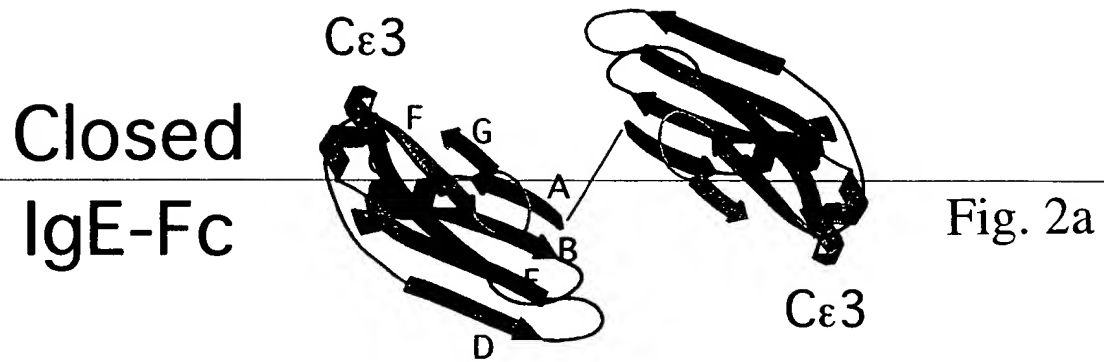


Fig. 1c



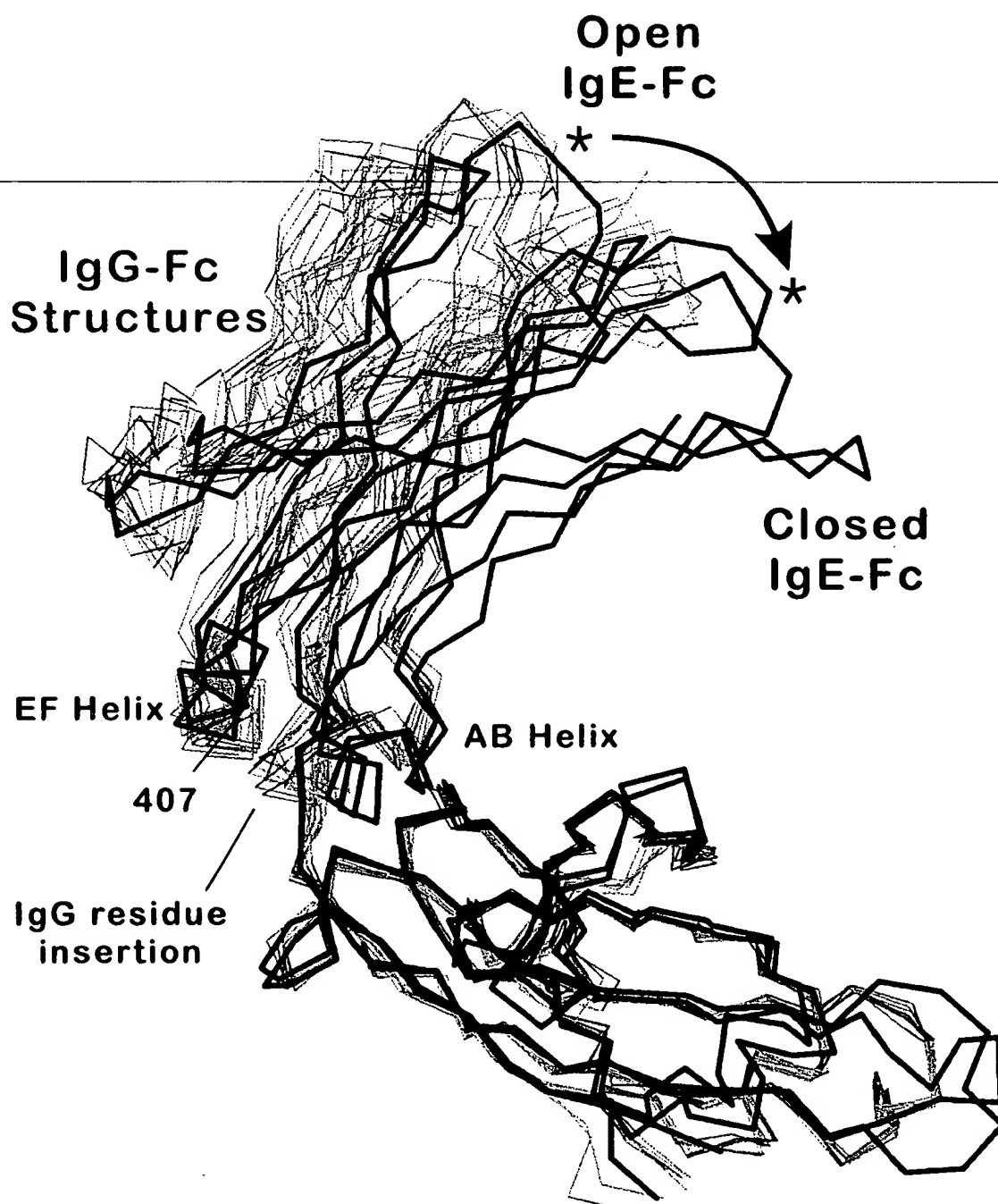


Fig. 3

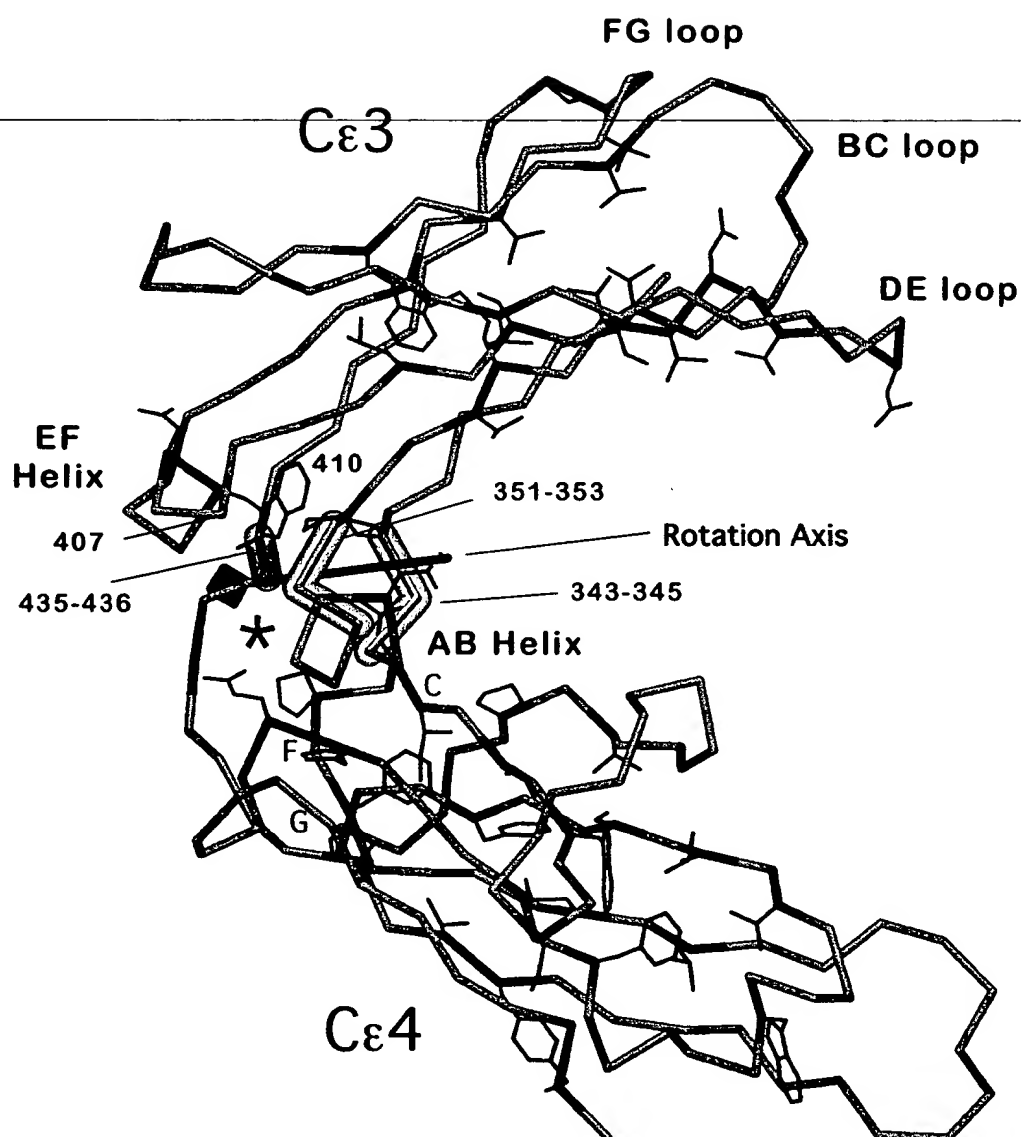


Fig. 4a

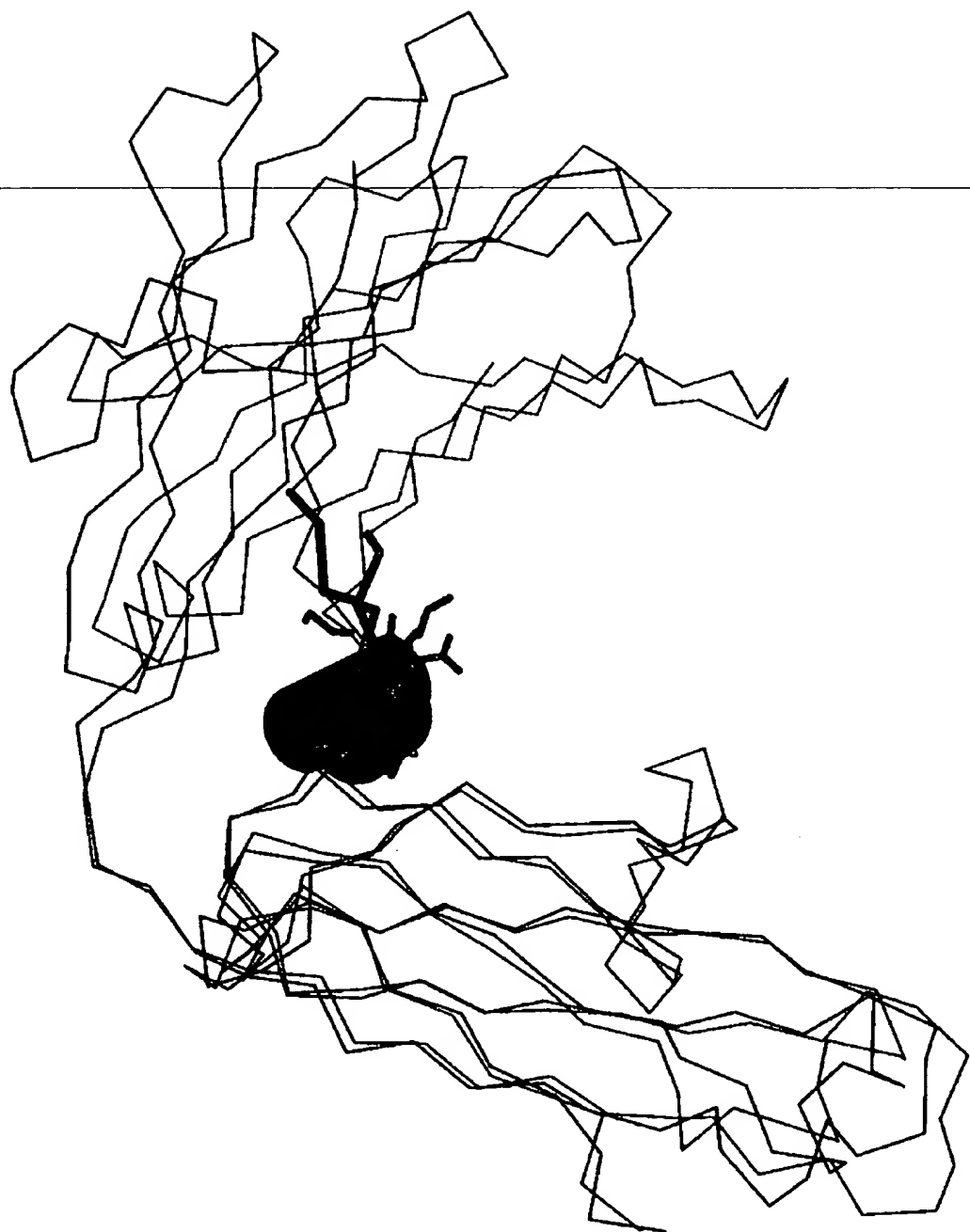


Fig. 4b

IgE-Fc $C\alpha$ - $C\alpha$ Distances (open-closed)

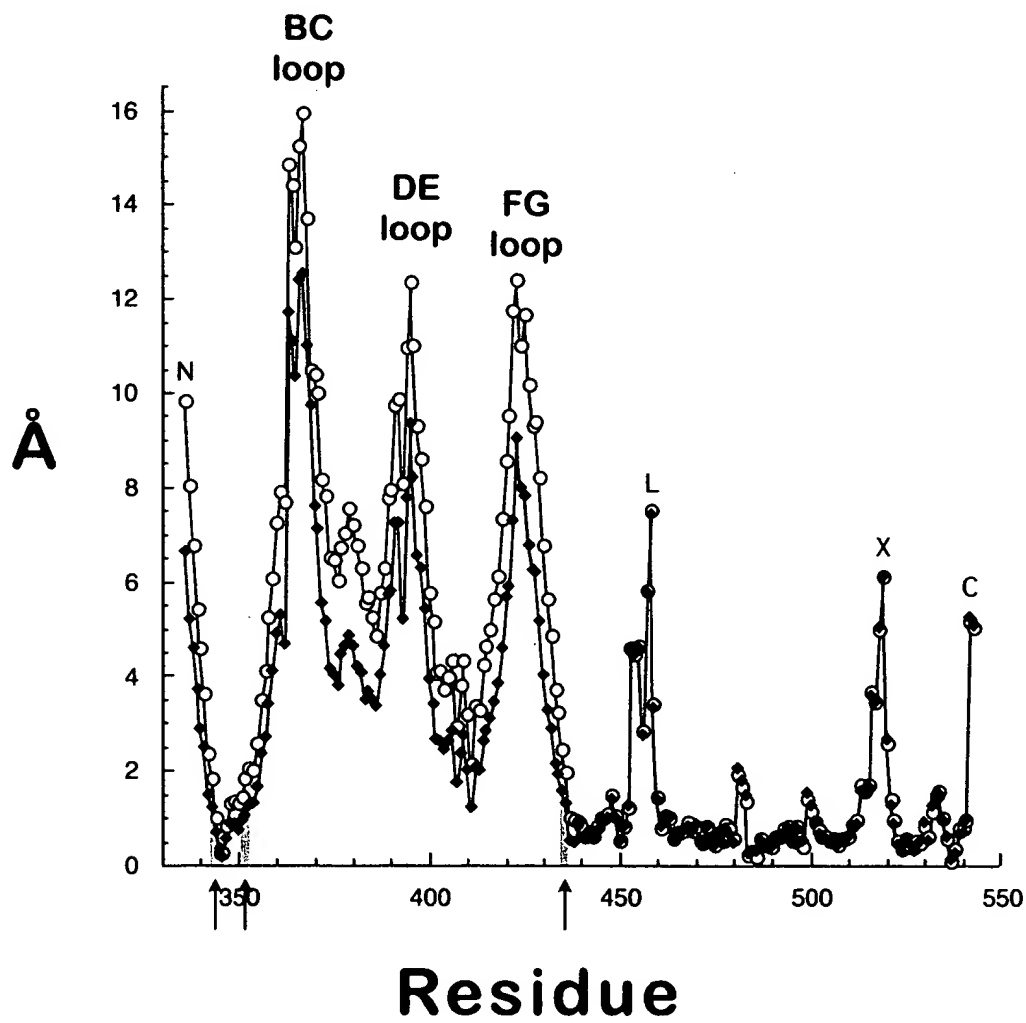


Fig. 4c

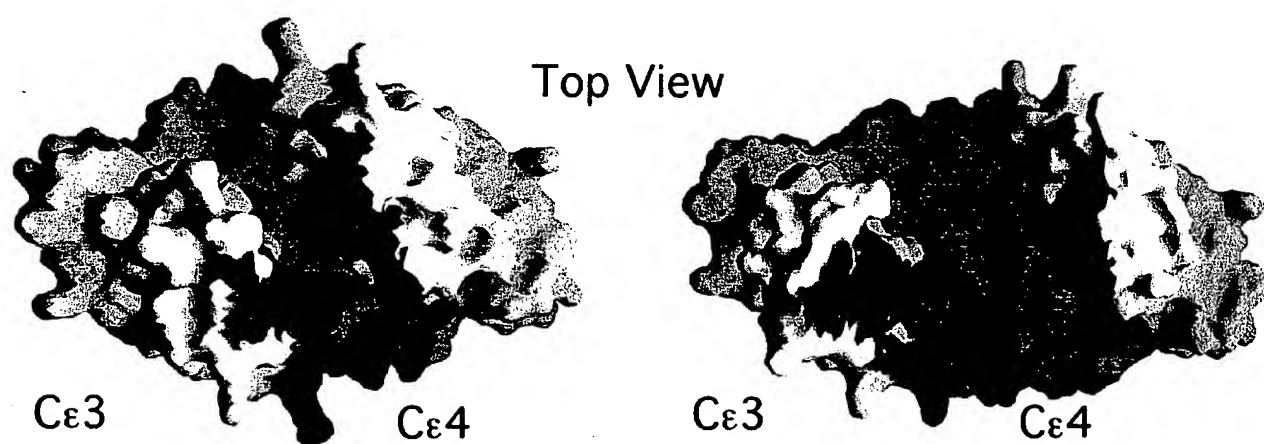


Fig. 5a

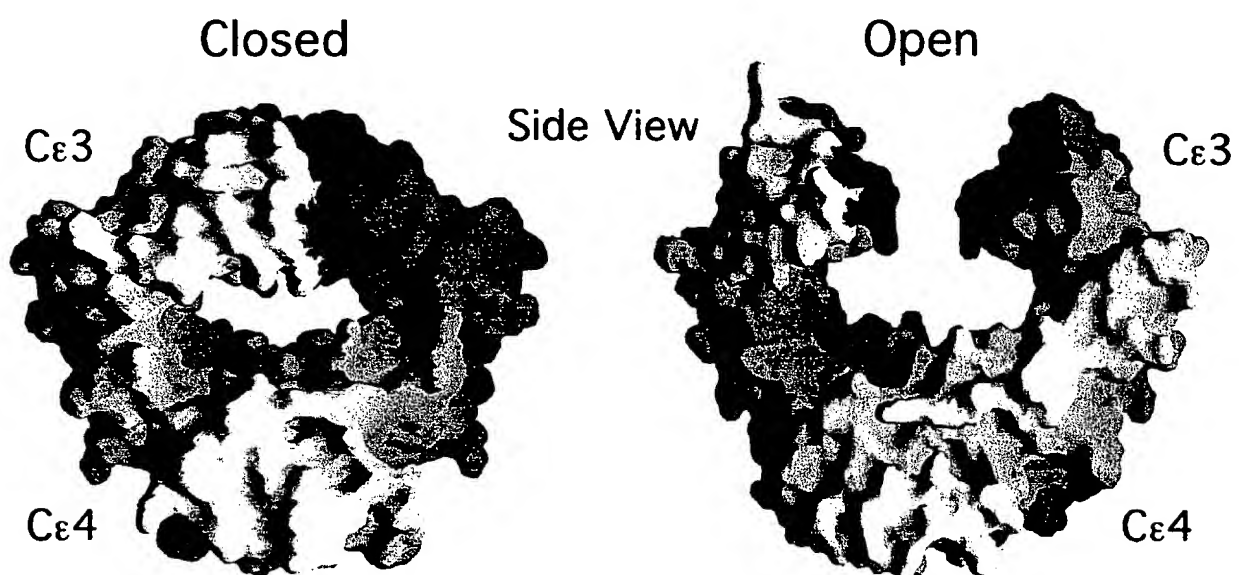


Fig. 5b

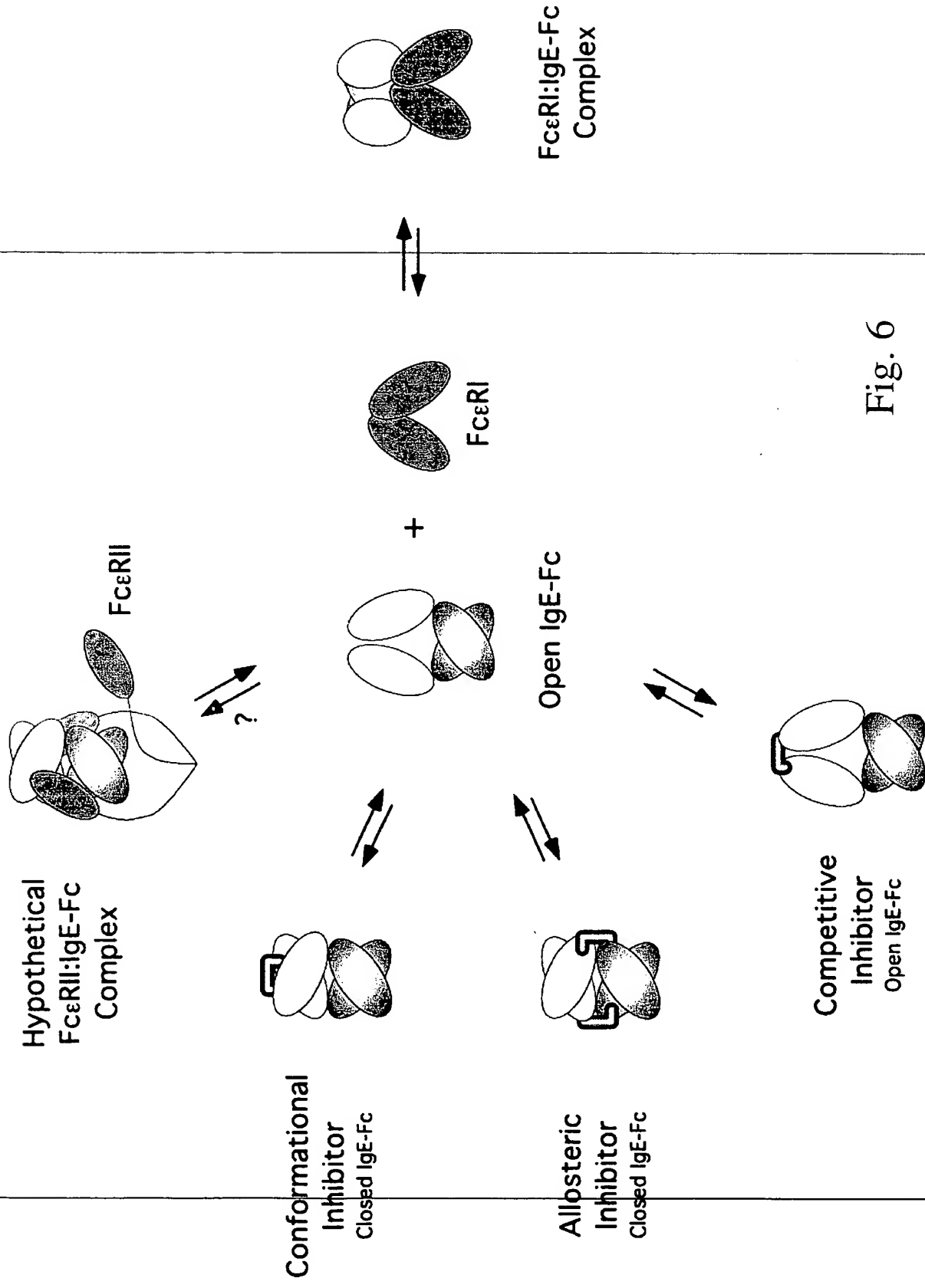
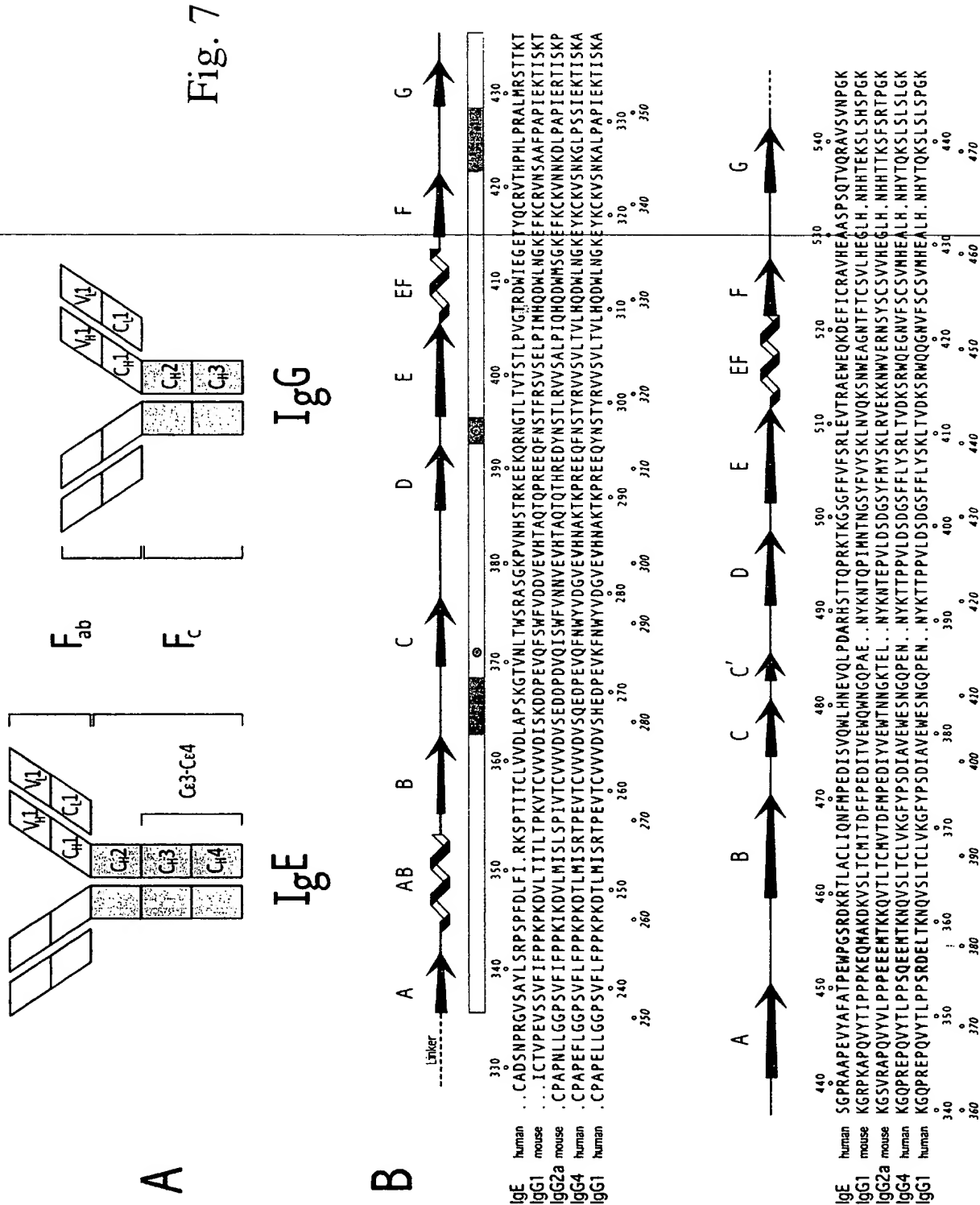


Fig. 6



human IgG1 ...CADSNPRGVSAYLSRPSPEDLFI...RKSPITITCLVVLAPSKGTVNLTWASRGKPVNHSRKEEKQKNGTLTVTSTLPVGTROMIEGETYQCRVTHPHLPRALHRSTTKT
 mouse IgG1 ...ICTVPEVSSVFIFFPKPKDVLITLTPKVTGVVDSISKDDPEVQFSEVDDVEVHTAQTPREEQFSTFSVSELPINHQDLNKEFKCRVNSAFAPIERTISKT
 mouse IgG2a ...CPANLLGGPSVFIFFPKIKDVLMSLSPITVCVVVDVSEDDPDVQISWVFNVEVHTAQTPHREDYNSLTRVWSALPIHQDWMHSGKEFKCKVNNKDLPAPIERTISKP
 human IgG4 ...CPAPELGGPSVFIFFPKPKDVLMSRTPTEVTCVVVDVSEDDPEVQFSEVDDVEVHTAQTPREEQFSTFSVSELPINHQDLNKEFKCKVNSKGLPSSIEKTISKA
 human IgG1 ...CPAPELGGPSVFIFFPKPKDVLMSRTPTEVTCVVVDVSEDDPEVQFSEVDDVEVHTAQTPREEQFSTFSVSELPINHQDLNKEFKCKVNSKGLPSSIEKTISKA

human IgE ...SGPRAAEVYAFATPEWPGSRDKRTLACLIQNFMPEDISVQWLHNEVQLPDARHSTTOPRKTGSGFFVFSRLVETRAENEQKDFICRAVHEAASPSQTQVRAVSNPGK
 mouse IgG1 ...KGRPKAPQVYTIIPPKEQMAKDKVSLTCHITDFFPEDITVEWQNGQPAE...NYKNTQPIHNTNGSYFYVSKLVNQKSNWEAGNTFTCSVLHEGLH.NHHTKSLSHSPGK
 mouse IgG2a ...KGSVRAPQVYVLPPEEEMTKKQVTLTCHVTDFMPEDIVVWNTNGKTEL...NYKNTPEVLDSGDSFYFYVSKLVKKNWERNYSYSCSVVHEGLH.NHHTTKSFRTPGK
 human IgG4 ...KGQPREPQVYTLPPSQEEMTKNQVSLTCLVKGYFSDIAVEWESNGQPEN...NYKTTTPVLDSGDSFFLYSRLTVDKSRQEGNVFSCSVHHEALH.NHYTKSLSLGK
 human IgG1 ...KGQPREPQVYTLPPSRDELTKNQVSLTCLVKGYFSDIAVEWESNGQPEN...NYKTTTPVLDSGDSFFLYSRLTVDKSRQEGNVFSCSVHHEALH.NHYTKSLSLSPGK

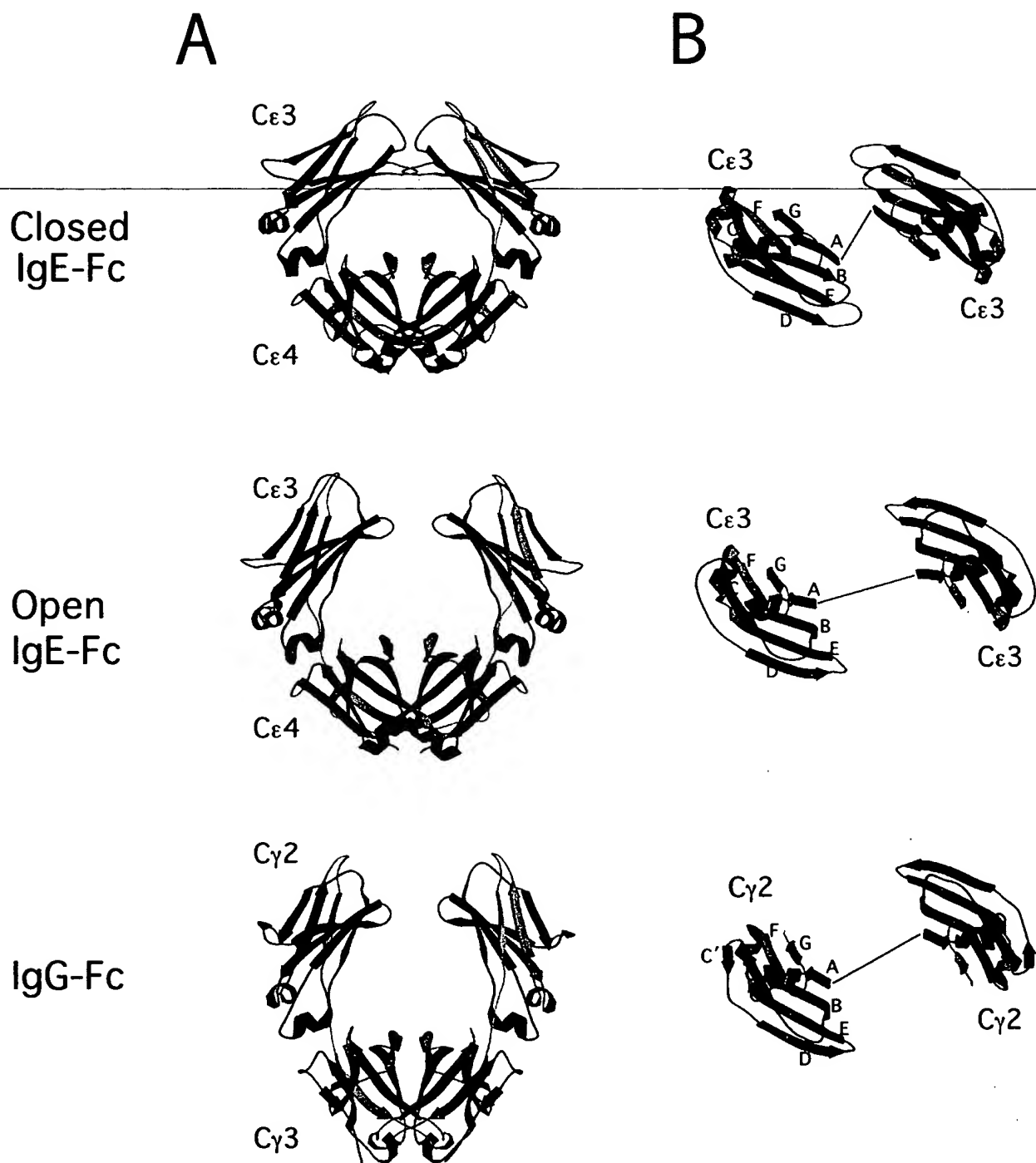


Fig. 8

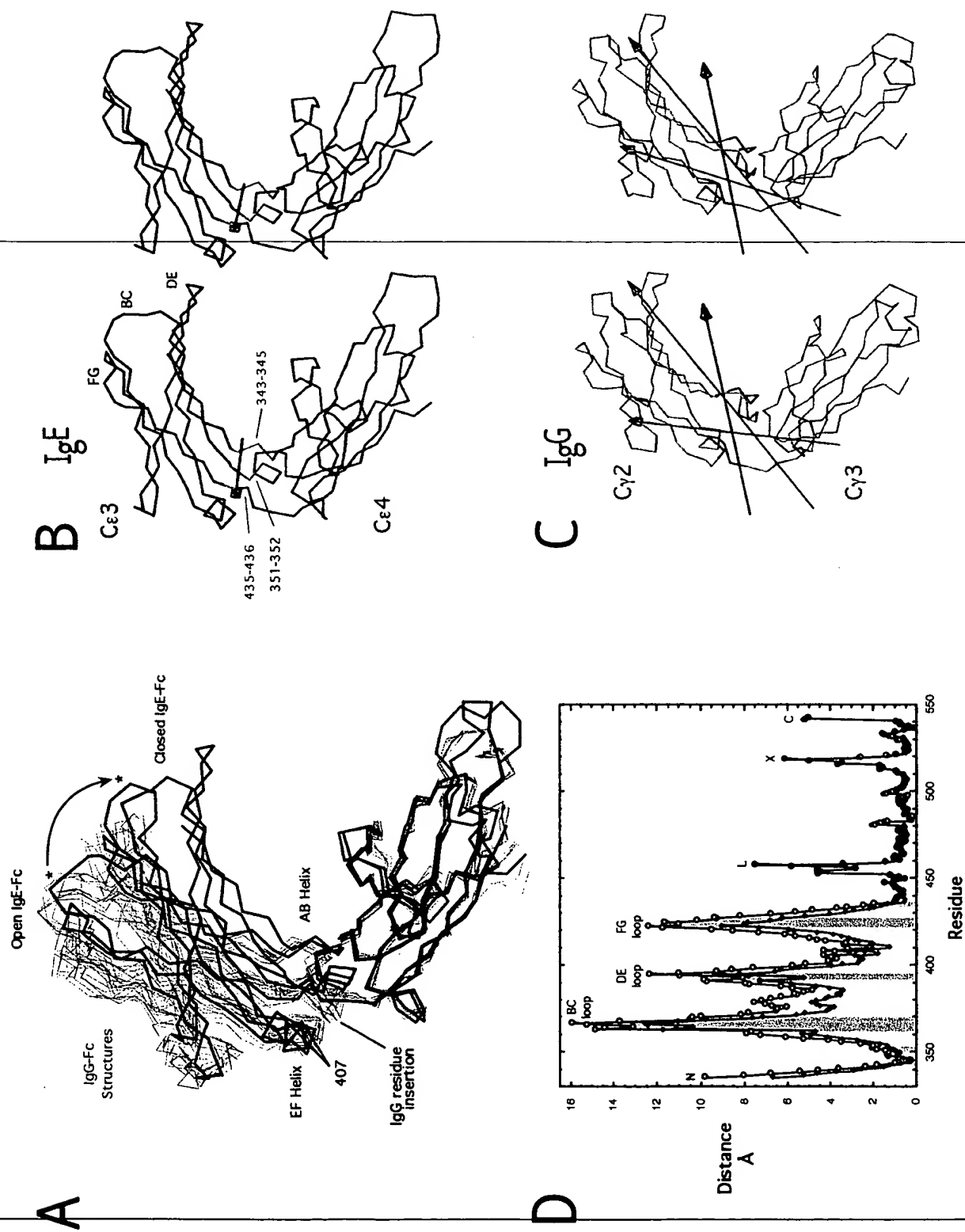


Fig. 9

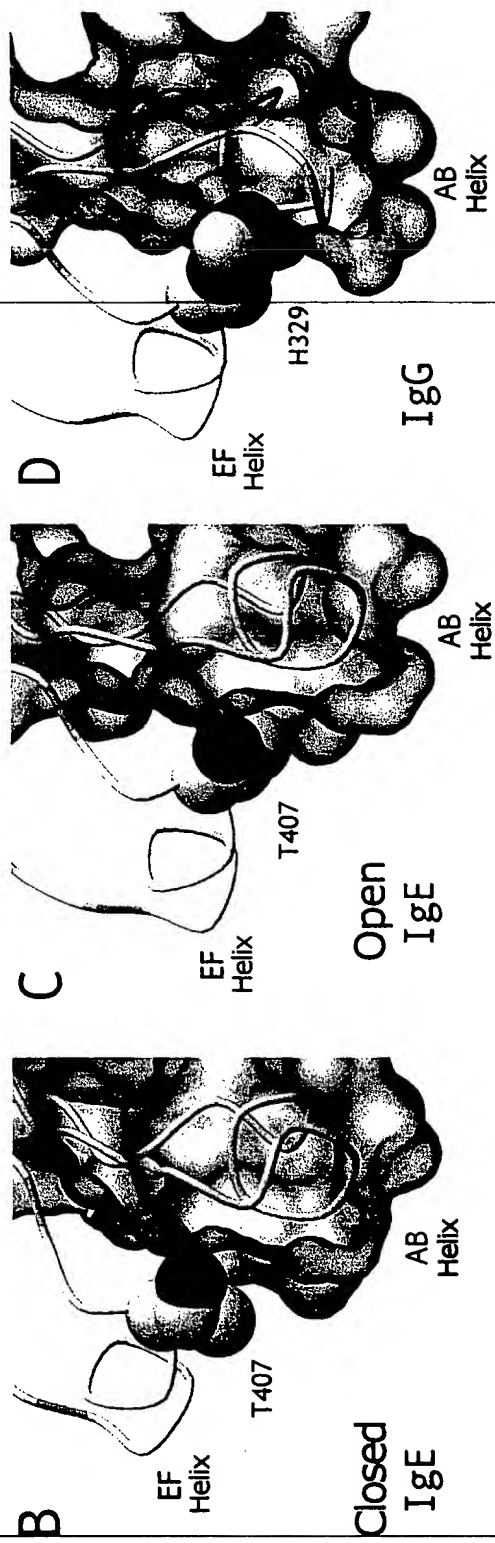
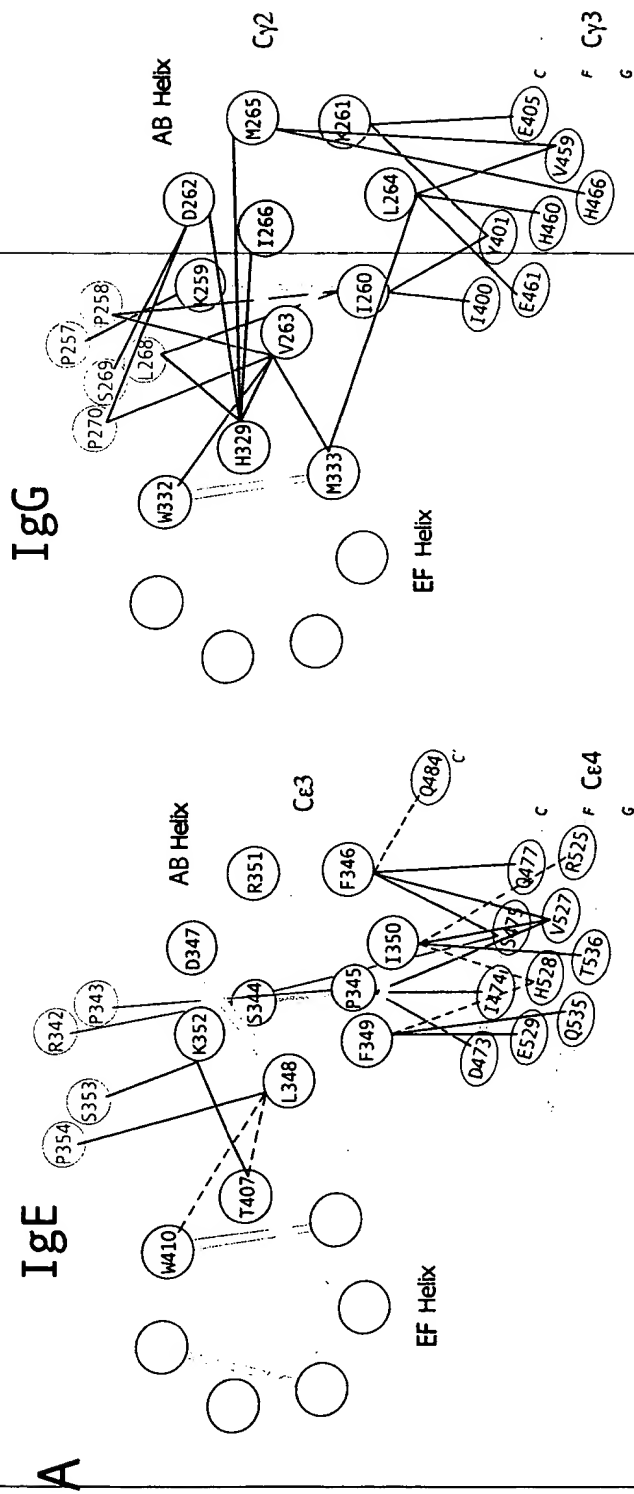


Fig. 10

10570-946060

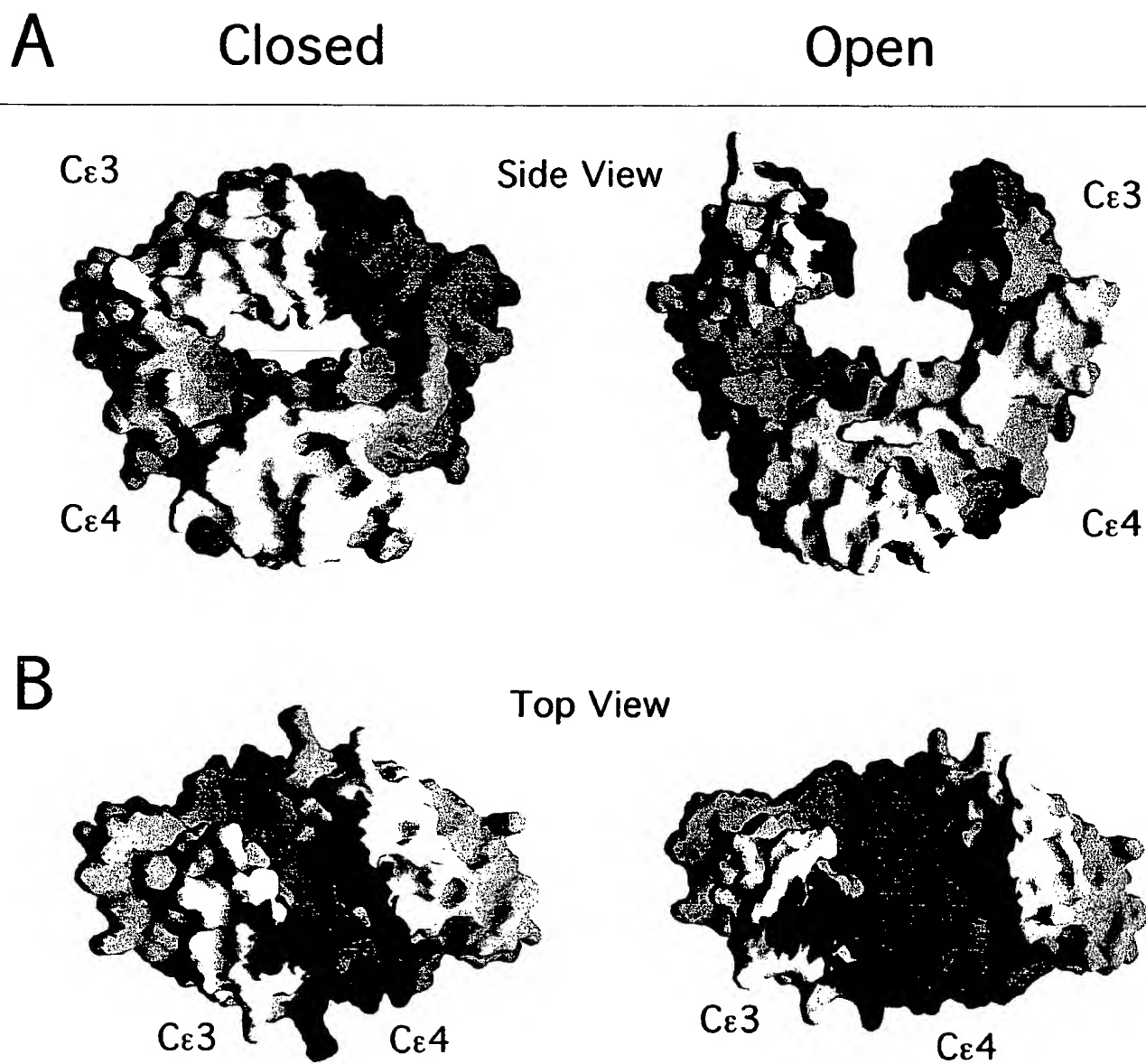


Fig. 11

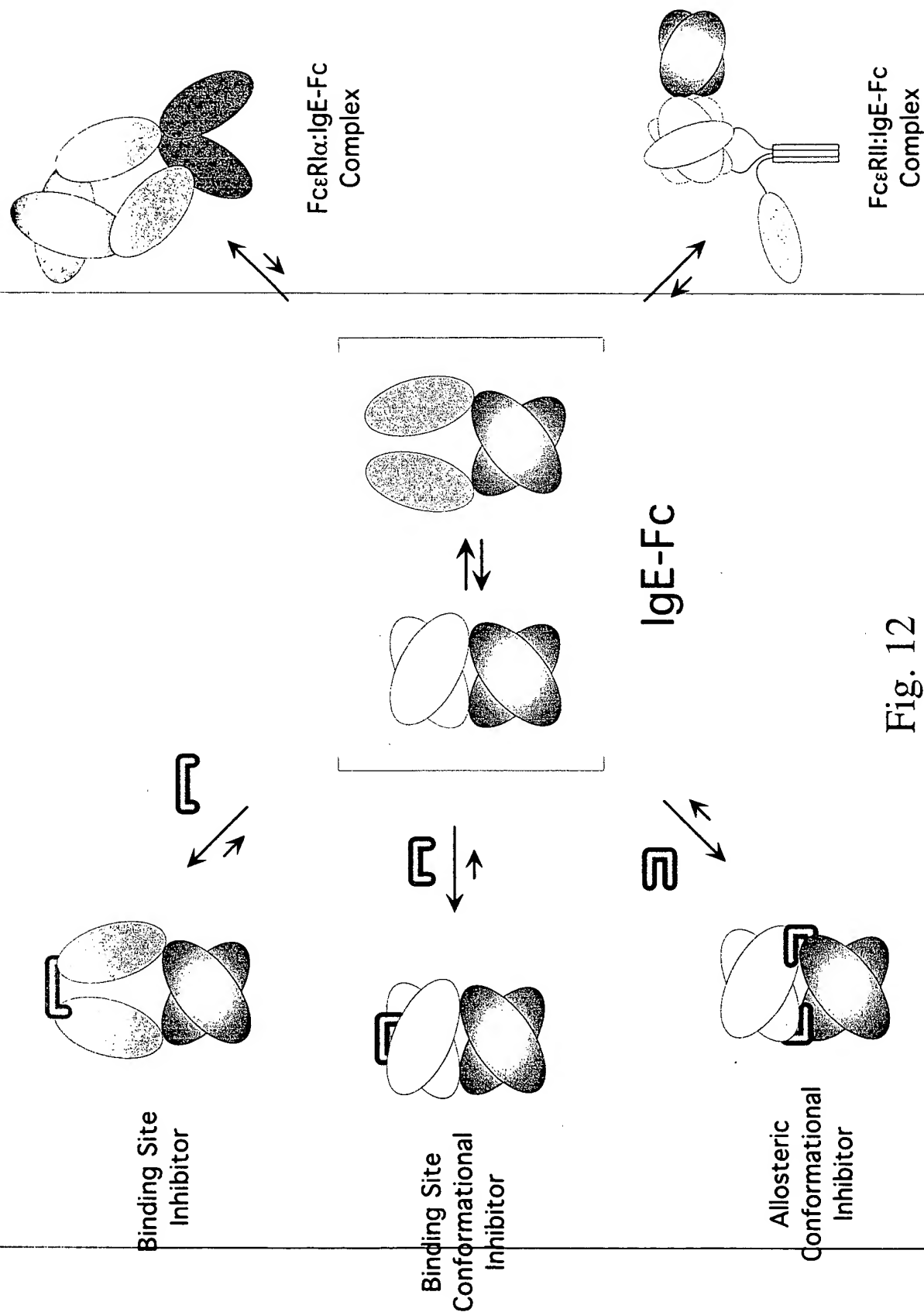
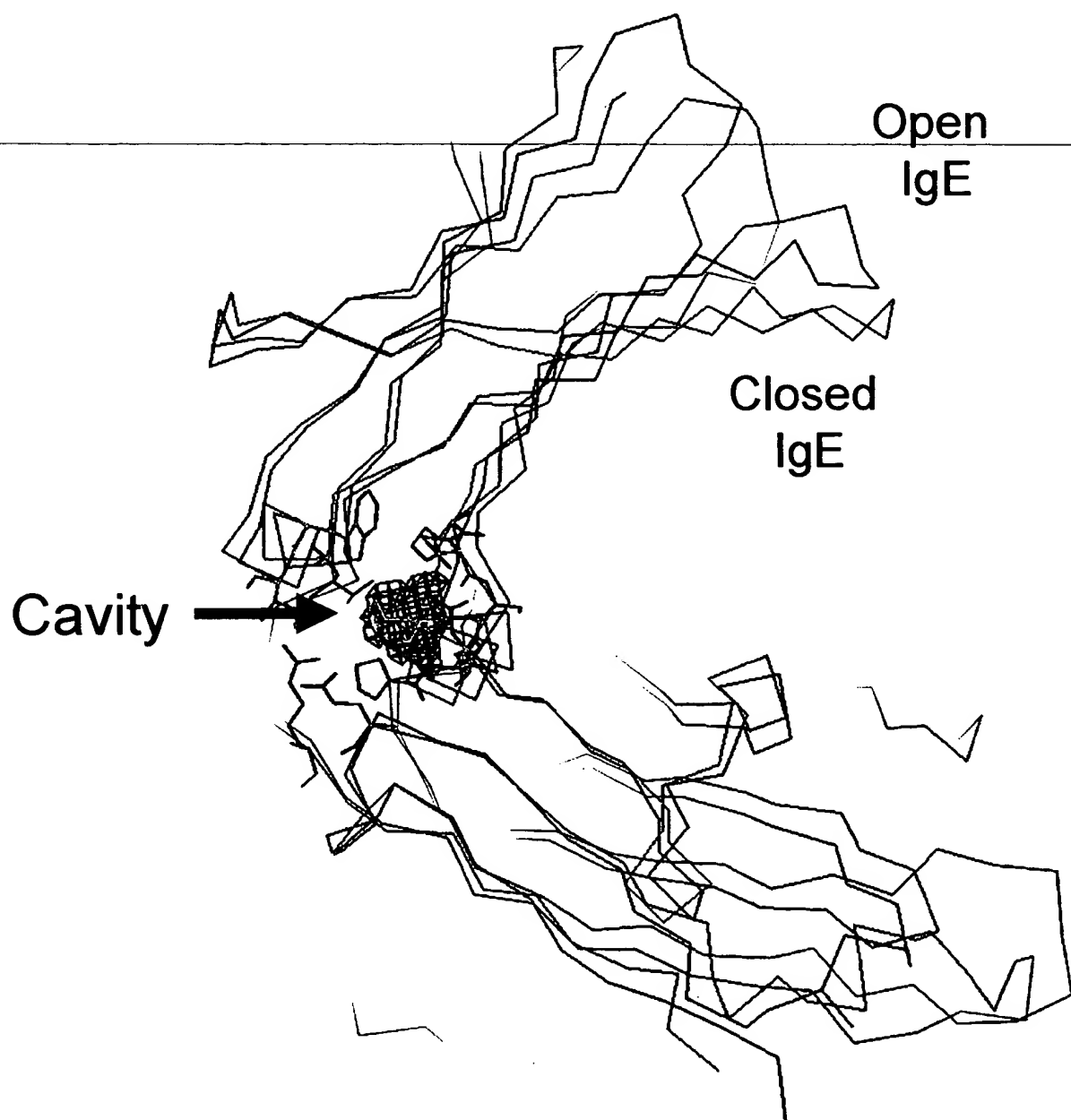


Fig. 12

A Potential Drug Binding Site Near the IgE-Fc Hinge



Surrounding residues include:
R342, P343, S344, P345, L348, W410, I411,
K435, T436, R440, P471, E472, D473, E529

Fig. 13